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Effective use of virtual learning environment and LMS

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Abstract

A virtual learning environment using the LMS (Learning management system) is now ran affairs. This system is used to support learning and created e-learning course, addresses the administration associated with such verification of student records, course organization, is used store learning content, the possibility of rapid communication through chat. Students will work with this system quickly master, since its operation requires only basic PC skills. The impetus for the introduction of LMS may be the fact that many of these systems are open source and costs are significantly lower. Any such course contains information on the email subject and it contains all the e-learning materials.

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1. Introduction

Virtual learning, currently called as e-learning is an educational process, using information and communication technologies to create courses of study for the distribution of content, communication between students and teachers and management studies. From a pedagogical point of view, a unique resource offering an interesting form of the substance present. The important features than the standard "the book" processing is multimediality, the application of text, hypertext, images, moving, images, audio, video sequences, pro-active approach of the student. Courses must include a clear structure.

LMS is a student virtual learning environment (applications) in which it finds: courses, tests and guidance on how to study. Furthermore, in this environment finds its current schedule of tasks, a discussion forum where you can participate in discussions on various topics and consult unclear if the part was in a real classroom.

Article acquaints readers with different types of LMS systems and clearly presents the comparison results, shows paths correct use of all tools (audio-visual features, tutorials, etc.) of such system in accordance with the latest technologies and discusses the use of feedback elements. Finally, it offers the optimal variant use of LMS to support teaching and focuses on an innovative approach to creating and managing individual courses.

2. LMS

LMS are applications that typically integrate themselves in a variety of online tools for communication and management studies (bulletin board, forum, chat, boards, registration, evaluation, testing and checking of pupils,

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teaching courses and catalog objects, rights management, learning content repository management, curriculum and more.) as well as teaching materials to students or educational content online or offline. With creating content of LMS is connected term LCMS (Learning Content Management System). The term LCMS can be called any tool or system that is used to create or compilation of the content. It's system of work aimed at the creation, use the content in cooperation with the LMS.

2.1. Necessary conditions for effective e-learning

The basic conditions for effective e-learning are active interest of students, high quality and accessible courses plenty of facilities to study courses, a suitable environment for study and basic skills for working with a PC.

This form of study can fails of student disinterest. If students are not sufficiently motivated to use new methods in the study, it may happen that the system is not used by students. Success also depends on the utilization level of integration into the existing system and the awareness of students.

High quality and accessible courses herald the success of the system. Accessibility refers not only access to courses but to complete additional services offered by LMS.

2.2. The current selection of LMS

An interesting tool for the selection of LMS seems EDUTOOLS project, which evaluates LMS according to several criteria, communication tools, tools for business productivity, tools for engaging students, administration tools, distribution of courses, creation of the curriculum, technical specifications and price.

Communication tools describe the communication between students and teachers.

Tools for business productivity dealing with the tools of simplify and streamline the work of students.

Tools for engaging students describes the tools that enable students to engage in study groups, browse graded quizzes and more.

Tolls of administration describe the possibility of authentication and authorization of courses.

Distribution of courses relates to management courses, assessment tests, monitoring student activities.

Creation of the curriculum covers design options study activities, using templates and adherence to certain norms and standards.

Technical specifications include hardware and software requirements for operation and installation. Price/Licensing, that means information about the provider and its pricing and licensing policy.

3. Effective course

Effective course includes introductory remarks, the formulation of the objectives of each course and study materials, claims links, using various formatting options. When creating the individual lectures, tutorials and seminars such as the course can combine presentations with videos.

For students testing LMS offers a great range of testing options. To save time it is appropriate to use such questions that the system repairs itself by entering tutor, a course designer, but this option is not suitable for all types of questions. Students would have after studying the material to know whether the substance well understood for the first evaluation can serve a simple survey, which at several points indicates what the student learns in this chapter, which receives and what skills should handle after graduation.

Using multimedia tools of LMS and its supplements provide students with a wide range of supporting materials. Favorite tool is a multimedia audio-visual recording of the interpretation of such a lecture. Capital becomes very testing. LMS provides testing questions prepared so that it is necessary to correct and vice versa. So there are possibilities of repair according to the assignment of correct answers of the course tutor.

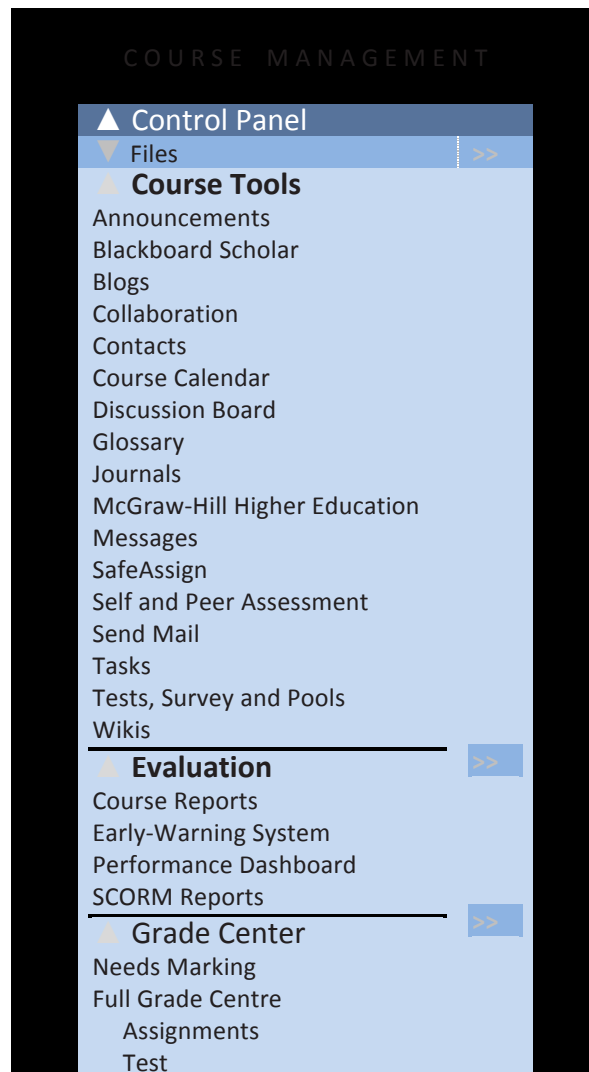


Figure 1. Create a test

4. Conclusion

Using LMS to support learning is now common practice. With rising speed the deployment of new technology is needed, however, monitor the development of this tool and apply new possibilities. An interesting way video options and are examples of various java applets in these systems. Equally interesting are the areas of testing options for students and the use of patches by typing tutor system.

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